

# AKAI SERVICE MANUAL

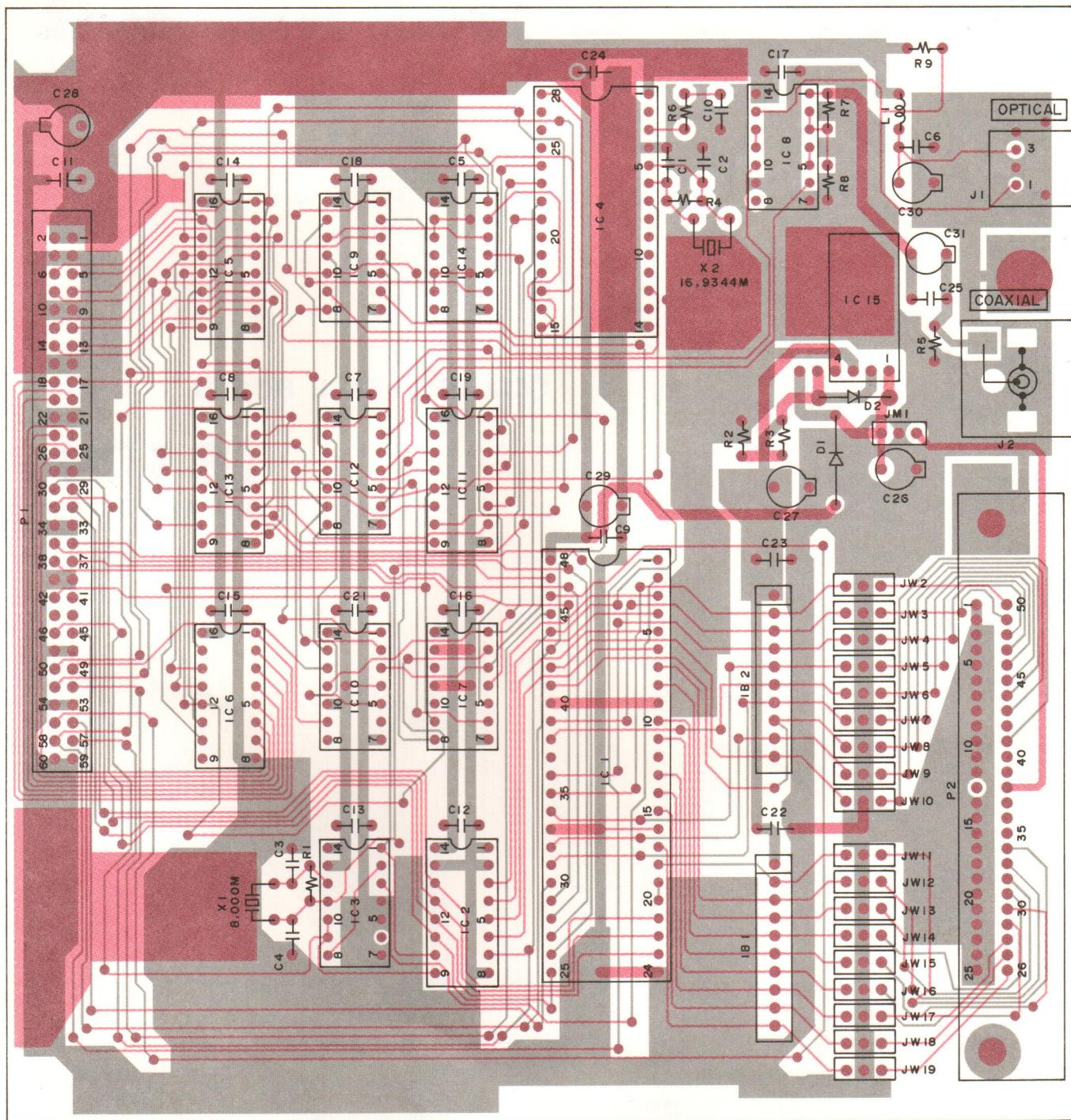
## SCSI INTERFACE BOARD

**IB 109**  
For Model S950

### INFORMATION OF ICs

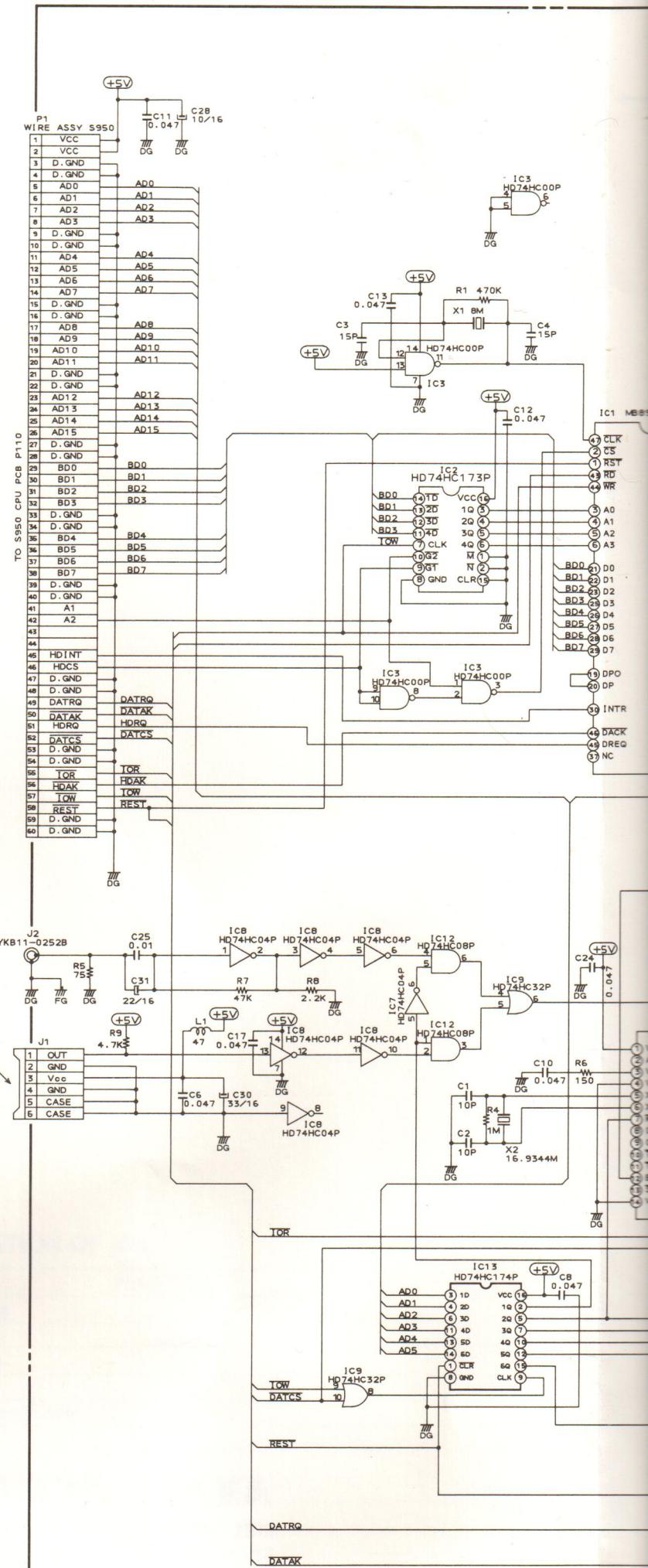
NAME OF IC	FUNCTION
HD74HC00P	Quad 2 Input NAND Gate.
HD74HC04P	Hex Inverters.
HD74HC08P	Quad 2 Input AND Gate.
HD74HC32P	Quad 2 Input OR Gate.
HD74HC74P	Dual D-FFs with Preset and Clear.
HD74HC173P	4 Bit Register.
HD74HC174P	Hex D-FFs.
HD74HC365P	Hex 3 State Bus Buffers.
HD74HC595P	8 Bit Shift Registers with Output Latches.
MB89352A-P-G	SCSI Interface
PQ30RV1	+5V Regulator
YM3623B	Digital Audio Interface Reciever.

# PC BOARD

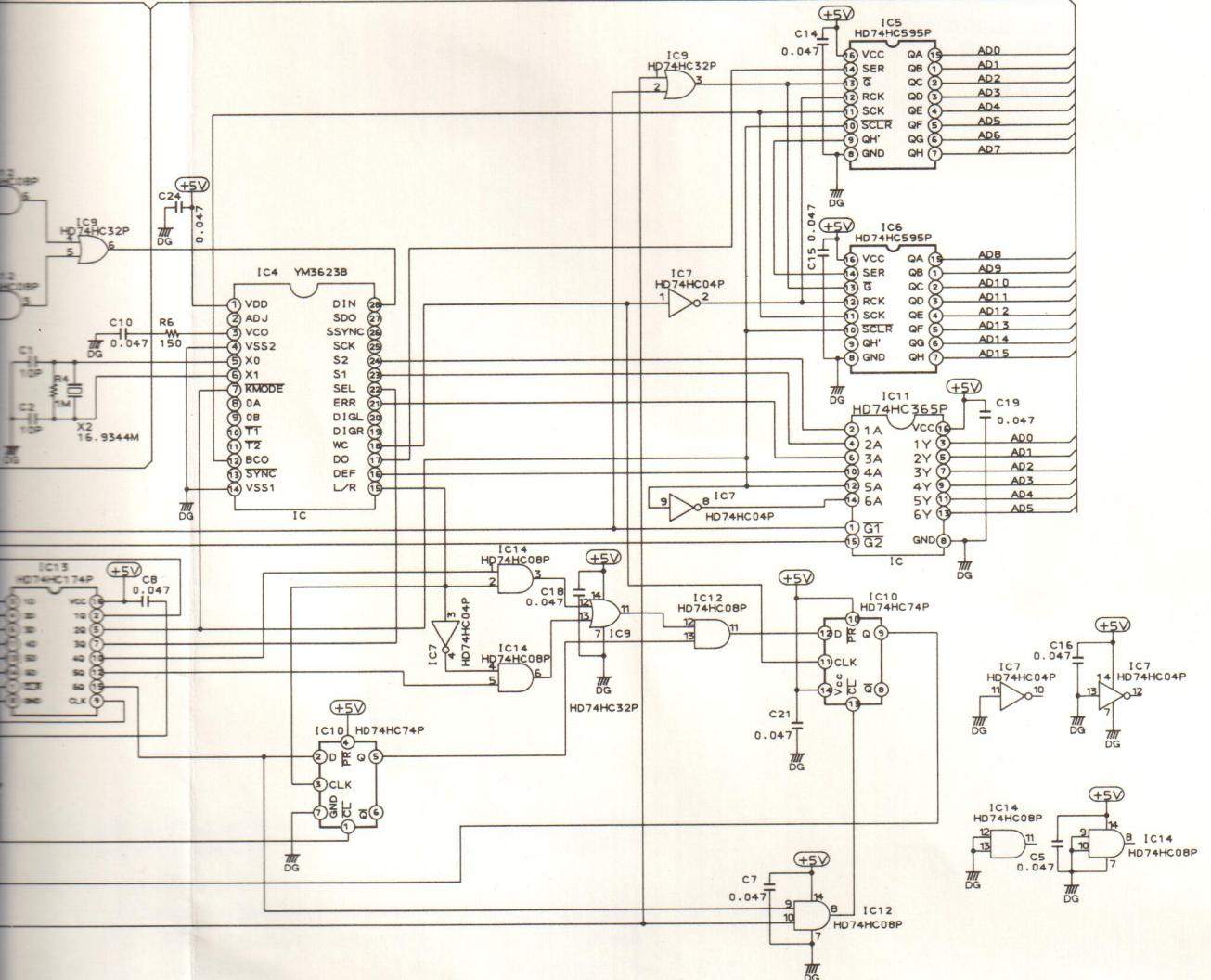
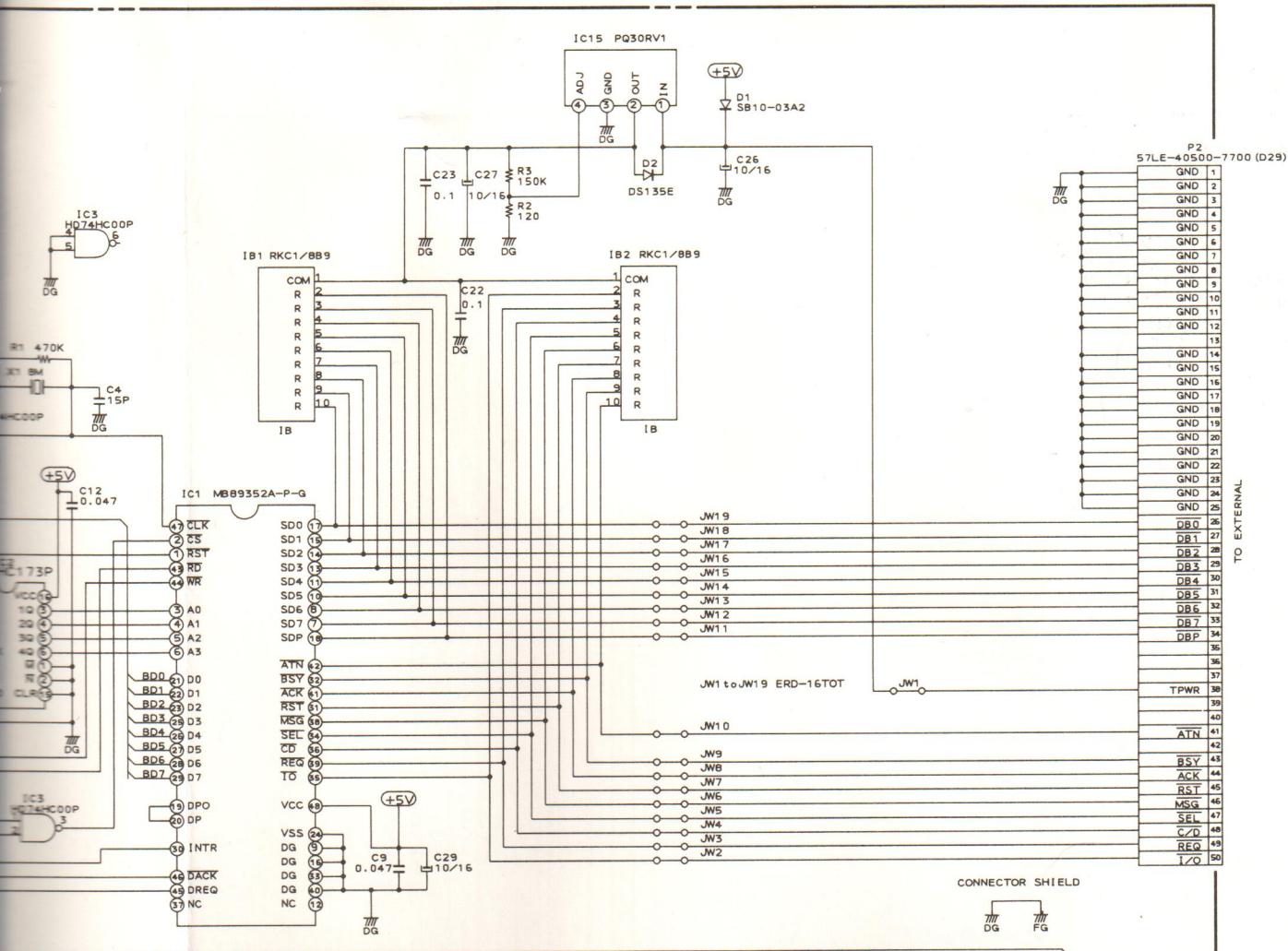


IB109(SCSI INTERFACE PCB) L5096B5010

# SCHEMATIC DIAGRAM



NOTE:  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS  
ALL CAPACITORS IN  $\mu$ F (P-PF)  
ALL ELECTROLYTIC CAPACITORS IN  $\mu$ F/WV



## PARTS LIST

### 2. IB-109 P.C BOARD

Ref.No.	Part No.	Description
D1	ED-386143J	D SCHOTTKY SB10-03A2
D2	ED-389834J	D SILICON DS135E-FB2 F12 100/1
IB1	EH-408860J	COMP R RKC1/8B9 111J
IB2	EH-408860J	COMP R RKC1/8B9 111J
IC1	EI-388602J	IC MB89352A-P-G
IC2	EI-396510J	IC HD74HC173P
IC3	EI-388711J	IC HD74HC00P
IC4	EI-379997J	IC YM3623B
IC5	EI-393702J	IC HD74HC595P
IC6	EI-393702J	IC HD74HC595P
IC7	EI-387934J	IC HD74HC04P
IC8	EI-387934J	IC HD74HC04P
IC9	EI-388709J	IC HD74HC32P
IC10	EI-387937J	IC HD74HC74P
IC11	EI-393698J	IC HD74HC365P
IC12	EI-386303J	IC HD74HC08P
IC13	EI-387935J	IC HD74HC174P
IC14	EI-386303J	IC HD74HC08P
IC15	EI-410389J	IC PQ30RV1
J1	EJ-408862J	SOCKET OPTICAL TORX173
J2	EJ-383548J	PIN J YKB11-0252B YELLOW 1P
L1	EO-351868	COIL FIX 1 LAP02 F05 470K
P1	EW-389058J	WIRE ASSY S950 60P
P2	EJ-386351J	PLUG 57LE-40500-7700 (D29)
X1	EI-389640J	OSC X'TAL HC-49/U 8000KHZ
X2	EI-381139J	OSC X'TAL HC-49/U 16934.400KHZ

### IC FOR MODEL S950

Ref.No.	Part No.	Description
1	EI-409580J1	IC AM27C256-150DC MSBIB109V1.2 [PROG.ROM FOR S950 IC-11]
2	EI-409579J1	IC AM27C256-150DC LSBIB109V1.2 [PROG.ROM FOR S950 IC-12]
3	EI-397343J	IC AM27C256-150DC [BLANK ROM FOR 1 & 2]

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